Material Safety Data Sheet

Revision Date: 04/12/2006

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: Loctite(R) 242(R) Threadlocker Medium Strength Anaerobic Sealant
Company address: Henkel Corporation
1001 Trout Brook Crossing
Rocky Hill, Connecticut 06067

Item No.: 24221
Region: United States
Contact Information:
Telephone: 860.571.5100
Emergency telephone: 860.571.5100
Internet: www.loctite.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>%</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>OTHER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyglycol dimethacrylate 25852-47-5</td>
<td>60-100</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Polyglycol oleate 9004-95-0</td>
<td>10-30</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Saccharin 81-07-2</td>
<td>1-5</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Silica, amorphous, fumed, crystalline-free 112945-52-5</td>
<td>1-5</td>
<td>6 mg/m³ TWA</td>
<td>10 mg/m³ TWA</td>
<td>3 mg/m³ TWA respirable dust</td>
</tr>
<tr>
<td>Cumene hydroperoxide 80-16-9</td>
<td>1-5</td>
<td>None</td>
<td>None</td>
<td>1 ppm (6 mg/m³) Skin (WEEL), 1ppm, skin TWA, (WEEL)</td>
</tr>
<tr>
<td>Propylene glycol 57-55-6</td>
<td>1-5</td>
<td>None</td>
<td>None</td>
<td>10 mg/m³ TWA, (WEEL)</td>
</tr>
</tbody>
</table>

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

HMIS:
Physical state: Liquid
Color: Blue
Odor: Mild

HEALTH: 2
FLAMMABILITY: 1
PHYSICAL HAZARD: 1
Personal Protection: See Section 8

WARNING:
CAUSES EYE IRRITATION.
MAY CAUSE SKIN IRRITATION.
MAY CAUSE ALLERGIC SKIN REACTION.
MAY CAUSE RESPIRATORY TRACT IRRITATION.

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects:

Inhalation: May cause respiratory tract irritation.
Skin contact: May cause allergic skin reaction. May cause skin irritation.
Eye contact: Contact with eyes will cause irritation.
Ingestion: Not expected to be harmful by ingestion.

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Existing conditions aggravated by exposure:

Eye, skin, and respiratory disorders.

See Section 11 for additional toxicological information.

4. FIRST AID MEASURES

Inhalation:
Remove to fresh air. If symptoms develop and persist, get medical attention.

Skin contact:
Wash with soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if symptoms occur.

Eye contact:
Flush with copious amounts of water, preferably, lukewarm water for at least 15 minutes, holding eyelids open all the time. Get medical attention.

Ingestion:
Do not induce vomiting. Keep individual calm. Obtain medical attention.

5. FIRE-FIGHTING MEASURES

Flash point:
Greater than 93°C (200°F) Tagliabue closed cup

Autoignition temperature:
Not available

Flammable/Explosive limits-lower %:
2.6 % (propylene glycol)

Flammable/Explosive limits-upper %:
12.5 % (propylene glycol)

Extinguishing media:
Foam, dry chemical or carbon dioxide.

Special fire fighting procedures:
None

Unusual fire or explosion hazards:
None

Hazardous combustion products:

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:
Prevent product from entering drains or open waters.

Clean-up methods:
Soak up with inert absorbent. Store in a partly filled, closed container until disposal.

7. HANDLING AND STORAGE

Handling:
Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mist. Wash thoroughly after handling.

Storage:
For safe storage, store at or below 38°C (100°F). Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.

Incompatible products:
Refer to Section 10.

For information on product shelf life contact Henkel Customer Service at (800) 243-4674.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls:
No specific ventilation requirements noted, but forced ventilation may still be required if concentrations exceed occupational exposure limits.

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Respiratory protection: Use NIOSH approved respirator if there is potential to exceed exposure limit(s).

Skin protection: Use impermeable gloves and protective clothing as necessary to prevent skin contact. Neoprene gloves. Butyl rubber gloves. Natural rubber gloves.

Eye/face protection: Safety goggles or safety glasses with side shields.

See Section 2 for exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid
Color: Blue
Odor: Mild
Vapor pressure: Less than 5 mm Hg at 27°C (80°F)
pH: Not applicable
Boiling point/range: Greater than 149°C (300°F)
Melting point/range: Not available
Specific gravity: 1.1 at 23.9°C (75°F)
Vapor density: Not available
Evaporation rate: Not available
Solubility in water: Slight
Partition coefficient (n-octanol/water): Not available
VOC content: 4.48%; 49.3 grams/liter (EPA Method 24)

10. STABILITY AND REACTIVITY

Stability: Stable.

Hazardous polymerization: Will not occur.


Conditions to avoid: See "Handling and Storage" (Section 7) and "Incompatability" (Section 10).

11. TOXICOLOGICAL INFORMATION

Product toxicity data: Acute oral LD50 greater than 10,000 mg/kg (rat). Acute dermal LD50 greater than 5000 mg/kg (rabbit).

Carcinogen Status

<table>
<thead>
<tr>
<th>Hazardous component</th>
<th>NTP Carcinogen</th>
<th>IARC Carcinogen</th>
<th>OSHA Carcinogen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyglycol dimethacrylate 25852-47-5</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Polyglycol oleate 8004-98-0</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Saccharin 61-07-2</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Silica, amorphous, fumed, crystalline-free 112945-52-5</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Cumene hydroperoxide 80-15-9</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Propylene glycol 57-55-6</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Literature Referenced Target Organ & Other Health Effects
<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>Health Effects/Target Organs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyglycol dimethacrylate 25852-41-5</td>
<td>Allergen, Irritant</td>
</tr>
<tr>
<td>Polyglycol olate 9004-96-0</td>
<td>Irritant</td>
</tr>
<tr>
<td>Saccharin 81-07-2</td>
<td>No Target Organs</td>
</tr>
<tr>
<td>Silica, amorphous, fumed, crystalline-free 112945-52-5</td>
<td>Nuisance dust</td>
</tr>
<tr>
<td>Cumene hydroperoxide 80-15-9</td>
<td>Allergen, Central nervous system, Corrosive, Irritant, Mutagen</td>
</tr>
<tr>
<td>Propylene glycol 57-55-6</td>
<td>Irritant</td>
</tr>
</tbody>
</table>

### 12. ECOLOGICAL INFORMATION

Ecological information: Not available

### 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Dispose of according to Federal, State and local governmental regulations.

EPA hazardous waste number: Not a RCRA hazardous waste.

### 14. TRANSPORT INFORMATION

**U.S. Department of Transportation Ground (49 CFR):**

- Proper shipping name: Unrestricted
- Hazard class or division: None
- Identification number: None
- Packing group: None

**International Air Transportation (ICAO/IATA):**

- Proper shipping name: Unrestricted
- Hazard class or division: None
- Identification number: None
- Packing group: None

**WaterTransportation (IMO/IMDG):**

- Proper shipping name: Unrestricted
- Hazard class or division: None
- Identification number: None
- Packing group: None
- Marine pollutant: None

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**15. REGULATORY INFORMATION**

**United States Regulatory Information**

TSCA 8 (b) Inventory Status: All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.

TSCA 12 (b) Export Notification: 4-Methoxyphenol (150-76-5).

CERCLA/SARA Section 302 EHS: None above reporting de minimus.

CERCLA/SARA Section 311/312: Immediate Health Hazard, Delayed Health Hazard This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372). Cumene hydroperoxide (CAS# 90-15-8).

CERCLA/SARA 313: California Proposition 65: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

**Canada Regulatory Information**

CEPA DSL/NDSL Status: All components are listed on or are exempt from listing on the Domestic Substances List.

WHMIS hazard class: D2.B

**16. OTHER INFORMATION**

This material safety data sheet contains changes from the previous version in sections: 15

Prepared by: Kyra Kozak Woods, Product Safety and Regulatory Affairs Specialist

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